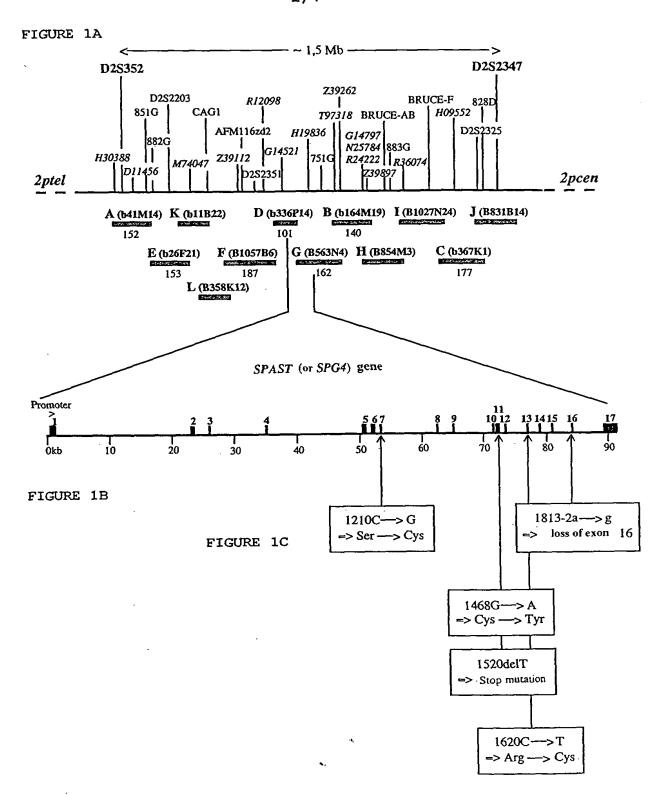
OF THE SPO4 GENE RESPONSIBLE FOR THE MOST COMMON FORM OF AUTOSOMAL DOMINANT SPASTIC PARAPLEGIA Inventors: Jean Weissenbach, Jamilé Hazan Serial No. Herewith Attorney Docket: R-341894

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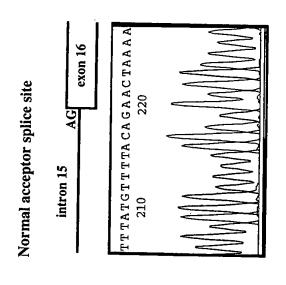
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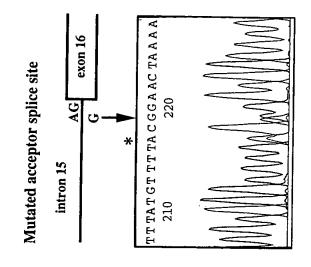
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. 1	GCTCCTGAGACCGGCGGCACACGGGGGTCTGTGGCCCCCGCCGTAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCA	95 190
L	M N S P G G R G K K G S G G A S N P V P P	
	CAGGCCTCCGCCCCTTGCCTGGCCCCCCCCCCCCCCCGCCGGCCCGCCCCCC	285
23	R P P P P C L A P A P P A A G P A P P P E S P H K R N L Y Y F S	
	CCTACCGGTGTTTGTAGGCTTCGCGCTGCTGCGTTTGGTCGCCTTCCACCTGGGGCTCCTCTTCGTGTGGCTCTGCCAGCGCTTCTCCCGCGCC	380
55	Y P L F V G F A L L R L V A F H L G L L F V W L C Q R F S R A	
	CTCATGGCAGCCAAGAGGAGCTCCGGGGCCGGCCAGCACCTCCCTC	475
16	L M A A K R S S G A A P A P A S A S A P A P V P G G E A E R V R	4,3
	· · · · · · · · · · · · · · · · · · ·	630
	AGTCTTCCACAAACAGGCCTTCGAGTACATCTCCATTGCCCTGCGCATCGATGAGGATGAGAAAGTAGGACAGAAGGAGCAAGCTGTGGAATGGT	570
18	V F H K Q A F E Y I S I A L R I D E D E K A 2 G Q K E Q A V E W Y	
	ataagaaaggtattgaagaactggaaaaaggaatagctgttatagttacaggacaagstgaacagtgtaaagagctagacgccttcaagctaaa	665
150	KKGIEELEKGIAVIVTGQGJEQCERARRLQAK	
	ATGATGACTAATTTGGTTATGGCCAAGGACCGCTTACAACTTCTACAGAGAAGATGCAACCAGTTTTGCCATTTTCCAAGTCACAAACGGACGTCTA	760
181	MMTNLVMAKDRLQLLE4KMQPVLPFSKSQTDVY	
	TAATGACAGTACTAACTTGGCATGCCGCAATGGACATCTCCAGTCAGAAAGTGGAGCTGTTCCAAAAAGAAAAGACCCCTTTAACACACAC	855
213	NDSTNLACRNGHLQSE5SGAVPKRKDPLTHTSN	
	ATTCACTGCCTCGTTCAAAAACAGTTATGAAAACTGGATCTGCAGGCCTTTCAGGCCACCATAGAGCACCTAGTTACAGTGGTTTATCCATGGTT	950
	S L P R S K T V M K T G S A G L S G H H R A P S Y S G L S M V	330
245		
	${\tt TCTGGAGTGAAACAGGGATCTGGTCCTGCTCCTACCACTCATAAG} {\tt GTACTCCGAAAACAAATAGGACAAATAAACCTTCTACCCCTACAACTGC}$	1045
276	S G V K Q G S G P A P T T H K G 6 T P K T N R T N K P S T P T T A	
	TACTCGTAAGAAAAAAGACTTGAAGAATTTTAGGAATGTGGACAGCAACCTTGCTAACCTTATAATGAATG	1140
808	TRKKRDLKNFRNVDSNLANLIMNEIVD N°G7TAV	
	TTAAATTTGATGATATAGCTGGTCAAGACTTGGCAAAACAAGCATTGCAAGAAATTGTTATTCTTCCTTC	1235
140	K F D D I A G Q D L A K Q A L Q E I V I L P S L R P E L B F T G	
	CTTAGAGCTCCTGCCAGAGGGCTGTTACTCTTTGGTCCACCTGGGAATGGGAAGACAATGCTGCTAAAGCAGTAGCTGCAGAATCGAATGCAAC	1330
371	LRAPARGLL F G P P G N G K T M L A9K A V A A E S N A T	
	CTTCTTTAATATAAGTGCTGCAAGTTTAACTTCAAAATACTTGGGGAGAAGGAGAGAAATTGGTGAGGGCTCTTTTTGCTGTGGCTCGAGAACTTC	1425
103	FFNISAASLTSKY VIOGEGEKLV RALFAVARELQ	
103	AACCTTCTATAATTTTTATAGATGAAGTTGATAGCCTTTTGTGTGAAAGAAGAGAGAG	1520
	PSI_IFI DILE V DS L L C E R R E G E H D A S R R L K T E F	1320
135		1615
	CTAATAGAATTTGATGGTCTACAGTCTGCTGGAGATGACAGAGTACTTGTAATGGGTGCAACTAATAGGCCACAAGAGCTTGATGAGGCTGTTCT	1013
166	LIEFDG VL2Q SAGDDR V L V M G A T N R P Q E L D E A V L	
	CAGE/CTTTCATCATAAACGGGTATATGTGTCTTTTACCAAATGAGGAGLCAAGACTACTTTTGCTTAAAAATCTGTTATGTAAACAAGGAAGTCCAT	1/10
198	<u>R</u> ISR FIKRVYVSLPNEE TI4R LLLKNLLCK QGSPL	
	TGACCCAAAAAGAACTAGCACAACTTGCTAGAATGACTGATGGATACTCAGGAAGTGACCTAACAGCTTTGGCAAAAAGATGCAGCACTGGGTCCT	1805
530	T Q K E L A Q L A R M15T D G Y S G S D L T A L A K D A A L G P	
	ATCCGACHACTAAAACCAGAACAGGTGAAGAATATGTCTGCCAGTGACHTGAGAAATATTCGATTATCTGACTTCACTGAATCCTTGAAAAAAAA	1900
661	I R E16L K P E Q V K N M S A S E M17R N I R L S D F T E S L K K I	
	AAAACGCAGCGTCAGCCCTCAAACTTTAGAAGCGTACATACGTTGGAACAAGGACTTTGGAGATACCACTGTTTAAGGAAATACCTTTGTAAACC	1995
593	K R S V S P Q T L E A Y I R W N K D F G D T T V *	
	TGCAGAACATTTTACTTAAAAGAGGAAACACAAGATCTTCAATGAACGTCATCGGCTACAGAAACAGCCTAAGTTTACAGGACTTTTTAGAGTCT	2090
	TACATATTTGTGCACCAAACTTGAAGATGAACCAGAAAACAGACTTAAACAAAATATACAATGCAAATGTAATTTTTTGTTTG	
	CTTGATGGTCACAGTTATCCCAATGGACACTAAGTTAGAGCACAACAAAACCTGATTCTGGTCTTCTTTACCAATATAATCATAATGTAAATAAT	
	AATTTGTATATTGTGTTGCAGATGAAAGTATTCCAGGAACAGTGAATGGTAGAAGACACAAGAACATTGTTTGT	
	TTAAAATAGTAATTTCTCCTACTTTTCTTCTTCTTGTCTTAACTACAGGTGATTGGAATGCCAAACACTCTTAAGTTTATTTTCTTTTTTC	
	GTTTTATAAATTCAGTGTGCCAAATGAAACTTTTTTCCTAAGTAACTGTAATAGGAAAAAGTTTATTTTGAGAGTTTCTTCATAAATCTACA	
	GACATTAAACAATTGTTGTGTTCTTTTTACCTTTTTTTCTATTTCCCTTGCTACCAAACAGTTTAGATAGCAATATAATAAGCAAAAAAGCAAA	
	TATGGTAAAATAGAGAAGGTTTGAAGGTTTGAGTTACTCTGTCATATAACATGTAGATCAGTCTTCATGTGACCTGCAGTATTTTTTTT	
	GTATTTGTCAGAAATCTGTTGTAGACTGTTAACTTCTTCCTGATGGAATTTATTT	2850
	ACTGCTGTGAAAATGTTTCCAGTGCAAGAGAAGGGAAATACTAGGAACTAAGACATTTCTAATTTATTGCTTATTACTTCTTAATTTTACAGGA	2945
	TAATTATAAGCAAGTGGAACTACCATCTTTTATTCTTAATAATTATTAATCCCTTCAATGAAACTTTAAAAAAACTGAATTTTTATACATGGCAT	3040
	ACATTTTTCTAGTTCCTTCTGCTTTGTTTAACTCAAAAGTTCTAGTTCTAGTTCTGATCTGATCTGCCTTTTGTTCTCCCAAAATGTACAGTAAT	3135
	TCCATTTGTTTGTATAAATATGCCTGGATTTTCATTATAAAATGTCATTGTAGGGAGTAGAGACTCATATCATGGCCTTTTAAATATTGT <i>AATA</i>	3230
	AAGGCAAATAGATATTTGCCCTTAGTTTACTGG 3263	

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Δ exon 16 transcript (725 bp) normal transcript (766 bp) heteroduplex M 1 2 11

FIGURE 3

COMMON FORM OF AUTOSOMAL DOMINANT SPASTIC PARAPLEGIA Inventors: Jean Weissenbach, Jamilé Hazan Serial No. Herewith Attorney Docket: R-341894

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	4.45
TBP6_YEAST Q02845_YEAST SAP1_YEAST SKD1_HOUSE EN13_YEAST SPAST_HUMAN	4//MAHEKFSIPENFTLAQSLQLLISVVKNQYKNLADLIINSKCNKDTVTYCKIHKNLDTLLVYVNEGLERI MDSQRSRHILTRLTKIERRPQOPLTOFTELYSRIANETIYYLMLEEKKRYKEALQGMKALTTDVLFKQTLIEHHYPHTQSYTKDEVSLQNGIREL
SPAST_MOUSE 043078_SCEPO 016299_CAEEL	- MRLYTHFILLVTFAVLASSSTIRDKRONCKCSPPQSSCSCHSAIQSQTCTCHNTQQST
SKD1_MOUSE EN13_YEAST SPAST_HUMAN SPAST_MOUSE 043078_SCBPO 016299 CAEEL	
TBP6_YEAST Q02845_YEAST SAP1_YEAST SKD1_MOUSE EN13_YEAST SPAST_HUMAN SPAST_MOUSE O43078_SCRP0 O16299_CAEEL	LWRMGSKRDKLKEADEKEAKINKQADNIRRABKLEEEKKLGAKLQYEEDLE
TBP6_YEAST Q02845_YEAST SAP1_YEAST SKD1_MOUSE EN13_YEAST SPAST_HUMAN SPAST_MOUSE O43078_SCHPO O16299_CAEEL	ERKBR EQAEKKRISTLKHERKTM-YKSRASLDNFSSSSKSSGKIDNSLIKRKSLDVVRTSGERVETPVEKSMERAEIG EKEERRIKTLEAIQQQMSDLSVTSSTSSNKSVSSSENVFGSCIQSLFTTAPALPSLPFPPPLLNVDRASSTGALKPHSLETSTTMDSSKIRNP
TBP6_YEAST Q02845_YEAST SAP1_YEAST SKD1_MOUSE EN13_YEAST SPAST_HUMAN SPAST_MOUSE O43078_SCHPO O16239_CAEEL	MAAQLAWS - QYQNGAN - BSK - VSHNCSHSHELQIR - YKP - TPPLKKRYDYKK - PTVN - RPI MAAQLAWS - QYQNGAN - BSK - VSHNCSHSHELQIR - YKP - TPPLKKRYDYKK - PTVN - RPI QISKIMKHNEYPILKGTKSTPTLITKSTPTFITESKSHTKPIIKSHASSPTSGLTVPHGYIQKPKTAAMAARVLHSKKVASHPALHTTKKSHPI - HASTHTHLGHAA - IDLASKAAQEDK - AGN - Y - INLYTGGGEQCERARR - LQAK - HMTHLVMAKDRLQLLEK - LQP - VLPFGKSQTDVYN - DSTN - LACREGH - IAVIVTGGGEQCERARR - LQAK - HMTHLVMAKDRLQLLEK - LQP - VLPFGKSQTDVYN - ESTN - LTCRNGGH - SKSAAASSALSSDTGRS - ATNNSTTFPTAMKSQSTTKPTLSHS - VSSPSIQVSHNQN - ANN - STPLSFH - FKFKEKEKREEPFFTHGFDFG - SDDKVTHIRDRICDLYDPTHAKHTD - P - HFIRQMHEHTLKGIEVSHPHFKKTRA - AGSIQEKLRTAELYKEARSLLKEANEFHIMDIPETRRSEIRDKRQNHMKLEKSAQDR - LIAICHEVDPNVK - OSESATVGFSR
SAP1_YEAST SKD1_MOUSE EN13_YEAST SPAST_HUMAN SPAST_MOUSE O41078_SCHPO 016299_CAEEL Q18128_CAEEL	IKSPTLNEQNSKSSENIPTNSKLKASKSNTNKVSERNEQNLEPSSPVLVSATAVPAESKPHREKSGTPDKESSASSSLDSEKE IKSPTLNEQNSKSSENIPTNSKLKASKSNTNKVSERNEQNLEPSSPVLVSATAVPAESKPHREKSGTPDKESSASSSLDSEKE LKSKTAKVEVNSSSEKTSSHPSIPVSNSKFYSBGASOJKKPSKNOTTSHSKTME-KIPACKKIGSFKIEDVGTEDATEHATSLNEQREEPPED E-EALOLYQHAVQYFLSVVKYBAQGDKAKQSIRAKCTEYLDBAEKLKEYLKKEEKKPQKPVKEAQSGVVDEKGNDSDGEASDDD E-EAYTAYYNGLDYLMLALKYE-KNPKSKDLIBARFTEYLNBREQLKKHLESEEANAAKKSPSAGSGSHGCHKKISQEECEDN LQSESGAVYKRKDPLTETSHBLYBRSTVTATCSACLSCBERRPSYSGELSHVBGVKGGFPPTTBRGTFKTNTHKPSTPTTATRKKD LQSESGAVYKRKDPLTETSHBLYBRSTVTLKSGSAGLSGBERRPSSGSLSHVBGVKGGFPPTTBRGTFKTNTHKPSTPTTATRKKD LQSESGAVYKRKDPLTEASHSJDFRSKTVLKSGSAGLSGBERRPSGSCLSKVSGARPCFCPAATTBRGTFKTNTHKPSTPTTATKKKD APIPPLHVPAVPLTSASHSSDGKSKKHSPFYKFYLNSSBOTLG STKPSSAGTASFSPATADSKTIVSKTISASTTQGTEP PTKNRAAIQNTLGTLYPSFTTAAGQDPQNSKFQVPLDRQSSSQSIGSLAGFFFREAR-PFDIFKKCSKPLIKKAMCHDTEGGGCDEKMSGLE PASAARVYFRFTRATAPEKKNAAKAKENDENREVCSRGDRCGABHOPVTKKSDTVHFFPPVQASHRKMETVKRVKVDKASLPMHONPVNRA
TBP6_YEAST QO2845_YEAST SAP1_YEAST SKD1_MOUSE EN13_YEAST SPAST_HUMAN SPAST_HUMAN SPAST_MUSE 043078_SCHP0 016299_CAEEL Q18128_CAEEL	DILKSVQCVDRNACEQILNEILVTDEKVYME I LRN. NS.KA VY FLE DL K.LE VR.M. F. T. TMIAKA. KKVLREILEDEILDSVGVDRNACEQILNEILVTDEKVYME I LEN. NS.KA VY FLE DL K.LE VR.M. F. T. TMIAKA. KKVLREILEDEILDSLGVDRQAAKQIFASIVVRBGEVHND II LES 1818 K.A VY FLE DL R.LE VR.M. F. T. TMIAKA.
TBP6_YEAST Q02845_YEAST SAP1_YEAST SAP1_HOUSE EN13_YEAST SPAST_HUMAN SPAST_HUMAN SPAST_MOUSE 043078_SCHP0 016299_CAEEL Q18128_CAEEL	TESN-ST SV ASS L YLES LVRAE YM KKLSP II I I ISMLTA 3D - HERESS I T L IQMSSL TESN-ST SV ASS L YLES LVRAE YM KKLSP II II I SHLTA 3D - HERESS I T L IQMSSL TESH-ST SV ASS L YLES LVRAE YM KKLSP II VI ISHLTA 3D - HERESS I T L IQMSSL TESH-ST SV ASS L YLES LVRAE AT KKLSP II V I SHLTA 3D - HERESS I T L IQMSSL TESH-ST SV ASS D V MLES LVRAE QL REMRP II I I ISHLTA 3D - HERESS I T L VQMNGV TESH-ST SV ASS D V MLES LVRAE QL REMRP II I I V ALTGT GE - GESEAS I T L VQMNGV TESH-ST SV ASS D V MLES LVRAE AV REMPE II I I V V SLLCE RE-GEHDAS IL T L IGFDGV AESH-AT NI AAS T I V GC LVRAE AV REMPE II I V V SLLCE RE-GEHDAS IL T I IEFDGV TESH-ST SV ASS T X N V SS LVRAE AV REMPE V V V I SLLCE RE-GEHDAS IL T I IGNSSL SQCK-AT MI ASS T X NV DS LVRAE SV RIKLF V I I SLLSS SE-SEHERS II T V VOLDGV GESK-QH NI ASS T N NV DS TIRG QU RNAQF II IGKREMYTFEAKQYNFS I SILCE SE-KDAEVS N T V VQLDGA
TBP6_YEAST Q02845_YEAST SAP1_YEAST SAP1_YEAST SPAST_HOUSE EN13_YEAST SPAST_HOUSE 043078_SCHP0 016299_CAEEL Q18128_CAEEL	SSATAGSE - DENNT
TBP6_YEAST Q02845_YEAST SAP1_YEAST SKD1_HOUSE EN13_YEAST SPAST_HOUSE O43078_SCHPO 016299_CREEL Q18128_CREEL	LISLAKE MAME IIDLEDKLMFADF
TBP6_YEAST QO2845_YEAST SAP1_YEAST SKD1_MOUSE EN13_YEAST SPAST_HUMAN SPAST_MOUSE 043078_SCHPO O16399_CAEEL	EMSSREGANCS KMASOFGSSCS KYTEDFEGGEC KYTEDFEGGEC KYTEDFEGGEC KYTEDFEGGEC KYTEDFEGGEC FIGURE 4A EMNKOPEGDTTV FIGURE 4A DFSRSFEGC DFSRSFEGC

COMMON FORM OF AUTOSOMAL DOMINANT SPASTIC PARAPLEGIA Inventors: Jean Weissenbach, Jamilé Hazan Serial No. Herewith Attorney Docket: R-341894

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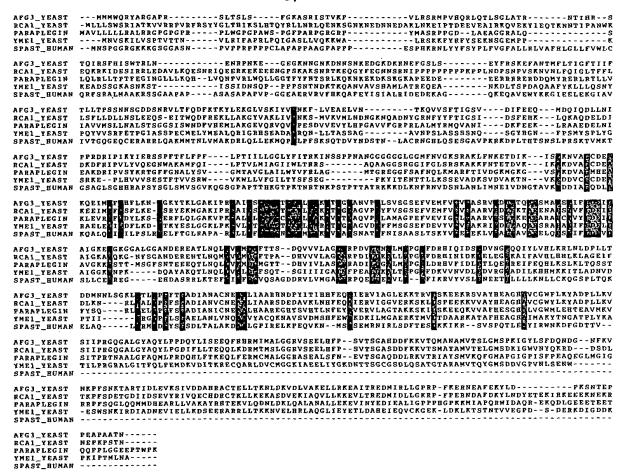


FIGURE 4B

OF THE SPG4 GENE RESPONSIBLE FOR THE MOST COMMON FORM OF AUTOSOMAL DOMINANT SPASTIC PARAPLEGIA
Inventors: Jean Weissenbach, Jamilé Hazan
Serial No. Herewith Attorney Docket: R-341894

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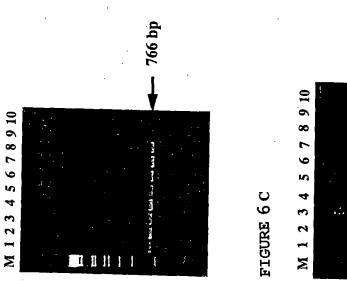
Human:		() 459
Mouse:		
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_		
Ruman:	460	AGGCCGAGCGCGTCCGAGTCTTCCACAAACAGGCCTTCGAGTACATCTCCATTGCCCTGC 519
Mouse:	61	GCATCGACGAGGAAGGAAAGCAGGACAGGAACAAGCTGTGGAATGGTATAAGAAAG 120
		-
Ituman:	520	GCATCGATGAGATGAGAAAGCAGGACAGAAGGAGCTGTGGAATGGTATAAGAAAC 570
Mouse:	121	GTATCGAAGAACTGGAAAAAGGAATCGCTGTTATAGTTACGGGCCAAGGTGAACAGTATG 180
		- 11[[11[11 11 11 11 11 11 11
Luman :	580	GTATTGAAGAACTGGAAAAAGGAATAGCTGTTATAGTTACAGGACAACGTGAACACTGTG 639
Mouse:	181	AAAGAGCTAGACGTCTTCAAGCCAAAATGATGACTAATTTAGTTATGGCCAAGGACCGTT 240
Human:	640	AAAGAGCTAGACGCCTTCAAGCTAAAATGATGACTAATTTGGTTATGCCCAAGGACCCCT 699
Mouse:	241	TACAACTTCTAGAGAAGCTGCAACCAGTTTTGCAATTTTCCAAGTCACAGACGGACG
Buman:	700	TACAACTTCTAGAGAAGATGCAACCAGTTTTGCCATTTTCCAAGTCACAAACGGACGTCT 759
Mouse:	301	ATAACGAGAGTACTAACCTGACATGCCGCAATGGACATCTCCAGTCAGAAAGTGGAGCAG 360
		till il tilitilli li tillillillillillillillillillillillillill
Human:	760	ATAATGACAGTACTAACTTGGCATGCCGCAATGGACATCTCCAGTCAGAAAGTGGAGCTG 819
Mouse:	361	TTCCGAAGAGGAAAGACCCCTTAACACATGCTAGTAATTCATTGCCTCGATCAAAAACTG 420
		THE HE THEIR HILLIEF THE THEFT THE THEFT THE THEFT THE
Human:	820	TTCCAAAAAGAAAAGACCCCTTAACACACACTAGTAATTCACTGCCTCGTTCAAAAACAG 879
Mouse:	421	TCCTGAAAAGTGGCTCCGCAGGGCTCTCCGGTCACCACAGGGCGCCTAGTTGCAGTGGTT 480
		1
Human:	880	TTATGAAAACTGGATCTGCAGGCCTTTCAGGCCACCATAGAGCACCTAGTTACAGTGGTT 939
Mouse:	481	TGTCCATGGTTTCTGGAGCAAGACCGGGACCTGGTCCTGCAGCTACCACCATAAAGGGTA 540
		1 111111111111111 1 11 1111 111111111 1111
Buman:	940	TATCCATGGTTTCTGGAGTGAAACAGGGATCTGGTCCTGCTCCTACCACTCATAAGGGTA 999
Mouse:	541	CTCCAAAACCAAATAGAACCAACAAACCTTCTACTCCCACAACTGCAGTTCGGAAAAAGA 600
		1 []
Human:	1000	CTCCGAAAACAAATAGGACAAATAAACCTTCTACCCCTACAACTGCTACTCGTAAGAAAA 1059
Mouse:	601	AAGACTTGAAAAATTTTAGGAATGTGGACAGCAATCTTGCTAACCTTATAATGAATG
Human:	1060	AAGACTTGAAGAATTTTAGGAATGTGGACAGCAACCTTGCTAACCTTATAATGAATG
Mouse:	661	TTGTTGACAATGGGACAGCTGTTAAGTTTGATGACATAGCCGGGCAGGAGCTGGCAAAGC 720
Human:	1120	TTGTGGACAATGGAACAGCTGTTAAATTTGATGATATAGCTGGTCAAGACTTGGCAAAAC 1179
Mouse:	721	AAGCGCTGCAGGAGATTGTCATCCTTCCTTCTCTGCGGCCTGAGTTGTTCACAGGGCTCA 780
		till till it tilli it tillitilli it tillitilli it
Human:	1180	AAGCATTGCAAGAAATTGTTATTCTTCCTTCTCTGAGGCCTGAGTTGTTCACAGGGCTTA 1239
Mouse:	781	GAGCTCCTGCTAGAGGCTTGTTACTCTTCGGTCCGCCAGGAAACGGAAAACAATGCTGG 840
		IIIIIIIII IIII IIIIIIIIIIIIIIIIIIIIIII
Human:	1240	GAGCTCCTGCCAGAGGGCTGTTACTCTTTGGTCCACCTGGGAATGGGAAGACAATGCTGG 1299
Mouse:		CTAAAGCAGTAGCTGCAGAGTCTAATGCGACCTTTTTCAACATAAGTGCTGCCAGTTTAA 900
Human:	1300	CTANAGCAGTAGCTGCAGAATCGAATGCAACCTTCTTTAATATAAGTGCTGCAAGTTTAA 1359
Mouse:		CTTCAAAATATGTGGGAGAAGGAGAGAAATTGGTGAGAGCTCTCTTTGCTGTGGCTCGAG 960
Buman:	1360	CTTCAAAATACGTGGGAGAAGGAGAAATTGGTGAGGGCTCTTTTTGCTGTGGCTCGAG 1419
Mouse:	961	AACTTCAACCATCTATAATTTTTATAGATGAAGTTGACAGTCTTTTGTGTGAGAGACGGG 1020
		HEREITER TOTAL TOTAL CONTROL OF THE
Human:	1420	AACTTCAACCTTCTATAATTTTTATAGATGAAGTTGATAGCCTTTTGTGTGAAAGAAGAG 1479
Mouse:	1021	AAGGGGAGCACGCTAGCAGACGCTAAAGACGGAATTTTTAATAGAATTTGACGGGG 1080
Human:	1480	AAGGGGAGCACGATGCTAGTAGACGCCTAAAAACTGAATTTCTAATAGAATTTGATGGTG 1539
Mouse:	1081	TGCAATCTGCTGGAGATGACAGAGTACTTGTAATGGGTGCAACTAACAGGCCCCAAGAGC 1140
Human:	1540	TACAGTCTGCTGGAGATGACAGAGTACTTGTAATGGGTGCAACTAATAGGCCACAAGAGC 1599
Mouse:	1141	TTGATGAAGCTGTTCTCAGGCGTTTCATTAAACGGGTATATGTGTCCTTACCAAATGAGG 1200
		1111111 1111111111111111111111111111111
Human:	1600	TTGATGAGGCTGTTCTCAGGCGTTTCATCAAACGGGTATATGTGTCTTTACCAAATGAGG 1659
Mouse:	1201	AGACAAGACTCCTTCTGCTTAAAAACCTGTTGTGTAAACAAGGAAGTCCACTGACCCAAA 1260
_		1511111111
Human:	1660	AGACAAGACTACTTTTGCTTAAAAATCTGTTATGTAAACAAGGAAGTCCATTGACCCAAA 1719
Mouse:	1261	AAGAACTCGCACAGCTTGCTAGAATGACCGATGGATACTCTGGAAGTGATCTGACCGCTT 1320
Human:	1720	AAGAACTAGCACAACTTGCTAGAATGACTGATGGATACTCAGGAAGTGACCTAACAGCTT 1779
Mouse:	1321	TGGCCAAGGATGCAGCCCTGGGTCCTATCCGAGAACTGAAGCCAGAGCAGCAGGTGAAGAATA 1380
_		1111 11 1111111 11111111111111111111111
Human:	1780	TGGCAAAAGATGCAGCACTGGGTCCTATCCGAGAACTAAAACCAGAACAGGTGAAGAATA 1839
Mouse:	1381	TGTCTGCCAGTGAGATGAGAAATATTCGATTATCTGACTTCACAGAATCCTTAAAAAAGA 1440
		{{\ \{\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Buman:	1840	TGTCTGCCAGTGAGATGAGAAATATTCGATTATCTGACTTCACTGAATCCTTGAAAAAA 1899
Mouse:	1441	TAAAACGCAGTGTGAGTCCTCAGACCTTAGAAGCATACATA
TT		timenta a a mar a manta aman manana an
Human:	1900	TAAAACGCAGCGTCAGCCCTCAAACTTTAGAAGCGTACATACGTTGGAACAAGGACTTTG 1959
Mouse:	1501	GAGACACCACTGTTTAAAGGAAT 1523
true	1000	
Human:		GAGATACCACTGTTTAAGGAAAT 1982
House:		[] 3263
House:	1504	GGATGCCTCTGTGAGCCCATAGAACATCGCACTTCACAGGAAACAAGAGCTTTGGCTACA 1583
	1644	GGAACCCAGACTTCGTTTACAGGACGTTTTAGAGTTTTCATTTTTGTGCACCAAACTTGA 1643
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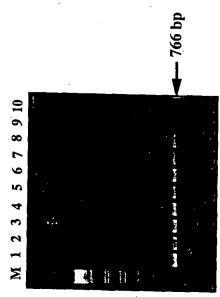
COMMON FORM OF AUTOSOMAL DOMINANT SPASTIC PARAPLEGIA Inventors: Jean Weissenbach, Jamilé Hazan

Serial No. Herewith Attorney Docket: R-341894

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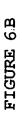


FIGURE 6 A

